Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/02/2021 09:26 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125283	0	1.53	125181	1.53
Blue	F	SSC	125000	125263	0	2.27	125606	2.13
Blue	E	FITC	13131	12874	-2	2.51	297	15.76
Blue	D	PE	24112	23731	-2	1.97	544	10.95
Blue	B	PerCP-Cy5-5	31295	30711	-2	3.25	1012	14.61
Blue	A	PE-Cy7	19939	19682	-2	5.46	527	29.65
Red	C	APC	42122	41580	-2	2.73	1744	11.40
Red	A	APC-Cy7	22340	21762	-3	3.07	811	11.92
Violet	B	V450	7410	7143	-4	3.18	432	12.24
Violet	A	V500	28118	26963	-5	2.72	672	9.67

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22628	2.53	587	18	N/A	N/A	Pass
Blue	F	SSC	58406	1.32	523	11	N/A	N/A	Pass
Blue	E	FITC	54	54.62	490	3	0.0399	98	Pass
Blue	D	PE	114	37.07	492	4	0.3874	286	Pass
Blue	B	PerCP-Cy5-5	189	37.06	590	4	0.0203	128	Pass
Blue	A	PE-Cy7	104	71.08	633	5	0.0215	8	Pass
Red	C	APC	403	23.96	581	5	0.0274	166	Pass
Red	A	APC-Cy7	183	27.86	556	5	0.0059	916	Pass
Violet	B	V450	61	61.77	462	9	0.0634	2239	Pass
Violet	A	V500	98	32.43	473	8	0.0253	577	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.70	-31.30	1.02
Blue	20.37	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.44
Red	14.42	13.60 - 20.40	N/A	N/A	29.63	29.96	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 15165

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments